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Attorney Docket No.	BKL:113 (c) US
First Inventor	Juliana H. J. Brooks
Title	Improvements in Fuel Cells and Electrochemical Reac
Express Mail Lahel	EU 004297947 US

(Only for new nonprovisional applications under 37 CFR 1.53(b)) Commissioner for Patents APPLICATION ELEMENTS Mail Stop Patent Application ADDRESS TO: P. O. Box 1450 See MPEP chapter 600 concerning utility patent application contents. Alexandria VA 22313-1450 Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table or (Submit an original, and a duplicate for fee processing) Computer Program (Appendix) Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) Computer Readable Form (CRF) a. Specification [Total Pages in C 250 (preferred arrangement set forth below) Specification Sequence Listing on: b. - Descriptive title of the invention i. CD-ROM or CD-R (2 copies); or - Cross Reference to Related Applications Statement Regarding Fed sponsored R & D ii. □ Paper - Reference to sequence listing, a table, or a computer program listing appendix Statements verifying identity of above copies C. - Background of the Invention - Brief Summary of the Invention **ACCOMPANYING APPLICATION PARTS** - Brief Description of the Drawings (if filed) Detailed Description 9 Assignment Papers (cover sheet & document(s)) Claim(s) 37 CFR 3.73(b) Statement - Abstract of the Disclosure 10. Power of Attorney (when there is an assignee) English Translation Document (if applicable) ✓ Drawing(s) (35 U.S.C. 113) [Total Sheets 70 Information Disclosure Copies of IDS 12. Statement (IDS)/PTO-1449 Citations 5. Oath or Declaration [Total Pages 13. **Preliminary Amendment** Newly executed (original or copy) a. Return Receipt Postcard (MPEP 503) 14 (Should be specifically itemized) Copy from a prior application (37 CFR 1.63(d)) b. Certified Copy of Priority Document(s) (for continuation/divisional with Box 18 completed) 15. (if foreign priority is claimed) **DELETION OF INVENTOR(S)** Nonpublication Request under 35 U.S.C. 122 i. 16. Signed statement attached deleting inventor(s) (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 17. Other: Application Data Sheet. See 37 CFR 1.76 If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, 18 or in an Application Data Sheet under 37 CFR 1.76: Continuation-in-part (CIP) of prior application No.: PCT/US03/08241 Continuation Divisional Prior application information: Examine Group / Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Correspondence address below Customer Number or Bar Code Label ode label here) (Insert Cus 26818 Mark G. Mortenson The Law Offices of Mark G. Mortenson Name Post Office Box 310 Address Zip Code Citv **North East** State MD 21901-0310 Country US Telephone 410-287-8795 Fax 410-287-5046 Name (Print/Type) Mark G. Mortenson Registration No. (Attomey/Agent) 31,182 Signature July 9, 2003 Date

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and ubmitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (5-03)
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for FY 2003		Filing	Date		July 9	, 2003		
Effective 01/01/2003. Patent fees are subject to annual revision	on.	First	Named	Inve	ntor Julian	a H. J. Bro	ooks	
Applicant claims small entity status. See 37 CFR 1.2	27	Exam	niner N	ame				<u> </u>
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The Commissioner is authorized to: (check all that apply)	1812 2	2,520	1812	2,520	For filing a requ	est for ex pa	arte reexamination	
Charge fee(s) indicated below Credit any overpayments	1804	920*	1804	920*		lication of S	IR prior to Examiner	
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to the above-identified deposit account.	1251	110	2251		Extension for re			
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1201 84 2201 42 Independent claims in excess of 3 1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375	For each addition	onal inventio	n to be examined	
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**or number previously paid, if greater; For Reissues, see above	*Redu	ced b	y Basic	Filing I	Fee Paid	SUBTO	TAL (3) (\$)	
SUBMITTED BY						Complete (if applicable)	
Name (Print/Type) Mark G. Mortenson			ition No. /Agent)	.	31,182	Telephone	410-287-8	795
Signature						Date	Into 200	3
Signature / / ///						Date	July 9, 200	·

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CERTIFICATE OF In Applicant(s): JULIANA	Docket No. BKL:113 (C) US		
Serial No.	Filing Date JULY 9, 2003	Examiner	Group Art Uni
nvention: PTIMIZING REACTIO	NS IN FUEL CELLS AND ELEC	CTROCHEMICAL REACTIO	DNS
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